



10/620,925

PATENT
Attorney Docket No. P05703US01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: HANNA, Mark H., et al.
FILED: July 16, 2003
TITLE: APPARATUS AND METHOD OF REDUCING ANHYDROUS AMMONIA
APPLICATION BY OPTIMIZING DISTRIBUTION

**INFORMATION DISCLOSURE STATEMENT
FILED WITHIN THREE MONTHS OF FILING OR
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. § 1.97(b))**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This information disclosure statement is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, or before the mailing of a first office action after the filing of a request for continued examination, whichever event occurs last.

Attached are Forms PTO/SB/08A and 08B (formerly Form PTO-1449) listing the relevant art known to the applicant herein. Copies of non-U.S. patents are enclosed. The Examiner is requested to consider the references and make them of record.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the

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CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

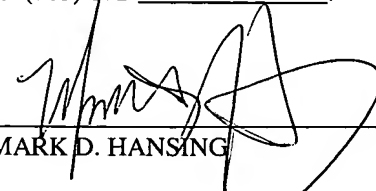
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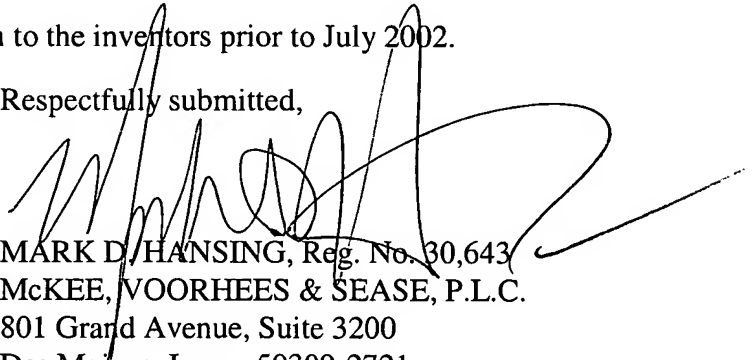

MARK D. HANSING

information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner.

Versions of (a) the "Rotaflow" device of Citation Nos. 2, 3, and 4 and (b) the CDS-John Blue FD-1200 of Citation No. 1, were known to the inventors prior to July 2002.

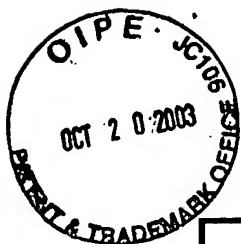
Respectfully submitted,



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Form PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
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Substitute for form 1449B/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number			
		Filing Date			
		First Named Inventor	HANNA, Mark H., et al.		
		Group Art Unit			
		Examiner Name			
Sheet	1	of	1	Attorney Docket Number	P05703US01

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	"CDS-John Blue Company Introduces The "Exacto-Flow" FD-1200 and FD-2000 Flow Dividers, Brochure, Undated (2 pages).	
	2	H. I. FRASER PTY LTD., The Trangie Rotaflow, Anhydrous ammonia distribution technology, Brochure, Undated (4 pages).	
	3	"The Trangie Rotaflow ®" and Anhydrous Ammonia Distribution Technology", Brochure, Undated, (2 pages).	
	4	FRASER "Rotaflow Anhydrous Distribution Technology – Performance Under Pressure", Brochure (6 pages).	
	5	STEEL, R.G., J. H. TORRIE, AND D.A. DICKEY, Principles and Procedures of Statistics: A Biometrical Approach. 3 rd edition. McGraw Hills Companies, Inc. New York. 1997 pages 26-27 (on one sheet).	
	6	AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS, Calibration and Distribution Pattern Testing of Agricultural Aerial Application Equipment, ASAE S3862.2 Dec 98, (cover sheet plus pages 237-240).	
	7	AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS, Procedure for Measuring Distribution Uniformity and Calibrating Granular Broadcast Spreaders, ASAE S341.3 Feb 99, (cover pages plus pages 190-193).	

Examiner Signature		Date Considered	
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* EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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